

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) Electronic equipment for safety and control of fire fighter workers in a structure characterised in that it consists of: comprising:

a) ~~repeaters: modules forming~~ arranged to form the a ~~[""]~~guide line~~[""]~~ leading toward an exit of the structure, which receive and transmit voice and data for use in determining positions of the fire fighter workers in the structure;

b) personalized fire fighter units: ~~personalised devices~~ attached to the arm of each fire fighter worker that inform at all times on the status and location of the fire fighter worker and of ~~the device~~ each fire fighter unit itself;

c) pressure gauges: ~~device~~ provided in each autonomous breathing unit (ABU) of a plurality of autonomous breathing units used by the fire fighter workers that informs on the air pressure and remaining breathing time; and

d) a central system~~[""]~~ unit that communicates with the ~~personalised~~ personalized fire fighter units either directly or through the repeaters and ~~analyses~~ analyzes the information received with a computer, such that the position of any individual fire fighter worker relative to a repeater in the guide line is determined.

2. (Currently Amended) ~~Repeater~~ The electronic equipment according to claim 1, characterised in that it incorporates wherein the repeaters further comprise:

an audio device operable to provide an audible signal by in the form of short and long beeps ~~(short and long);~~ and

a flashing visible signal that shows the fire fighter workers the way out of the structure, wherein each repeater is connected by radio with the adjacent repeaters of the ~~[""]~~guide line~~[""]~~ and with the nearby personalized fire fighter units; transmitting and wherein each repeater transmits information upstream from the personalized fire fighter units or from other repeaters to the central system unit, and transmitting also transmits information downstream from the central

system to the personalized fire fighter units ~~by the repeaters~~, acting and further act as a voice repeater when the fire fighter worker carries a radio transmitter, and incorporating wherein the repeaters further comprise a thermometer whose measurement is sent to the central system.

3. (Currently Amended) ~~Fire fighter unit~~ The electronic equipment according to claim 1, ~~characterised in that it is~~ wherein each personalized fire fighter unit is automatically activated by a motion sensor and that emits, when the motion sensor is activated, a sequence indicating that the fire fighter worker is OK to the central system unit or to the nearest repeater, ~~which then sends it such that the sequence is then sent~~ and also emits a second sequence indicating that a fire fighter worker is unconscious when no motion is detected over a certain time; ~~receiving the~~ and wherein each personalized fire fighter unit is operable to receive data frames sent by the pressure gauge when the fire fighter is using an ABU autonomous breathing unit and is also operable to sending send them directly to the central system unit or through the nearest repeater, and ~~receiving~~ also operable to receive warnings from the central system.

4. (Currently Amended) ~~Pressure gauge that~~ The electronic equipment according to claim 1, wherein each pressure gauge measures the air pressure and the air time in minutes remaining in ~~the~~ a bottle of the autonomous breathing unit and displays it together with the operational status of the pressure gauge itself in a LCD display, ~~characterised in that it and~~ wherein each pressure gauge also sends this pressure, time and operational status information by radio to the personalised fire fighter unit of the fire fighter worker assigned to it, wherein this assignation is performed at the start of consumption of the ABU autonomous breathing unit air by ~~approaching the~~ bringing the pressure gauge close to the personalised fire fighter unit.

5. (Currently Amended) ~~Central system~~ The electronic equipment according to claim 1, ~~characterised in that it~~ wherein the central system unit receives the information from the personalised fire fighter units either directly or through ~~the~~ a first repeater of the [[]] guide line~~[[]]~~, and which emits personalised or collective transmissions to the personalised fire fighter units either directly or through the first repeater.